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## INDEX TO AMERICAN BOTANICAL LITERATURE

(1908)

The aim of this Index is to include all current botanical literature written by Americans, published in America, or based upon American material ; the word America being used in its broadest sense.

Reviews, and papers which relate exclusively to forestry, agriculture, horticulture, manufactured products of vegetable origin, or laboratory methods are not included, and no attempt is made to index the literature of bacteriology. An occasional exception is made in favor of some paper appearing in an American periodical which is devoted wholly to botany. Reprints are not mentioned unless they differ from the original in some important particular. If users of the Index will call the attention of the editor to errors or omissions, their kindness will be appreciated.

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**Ames, O.** Notes on *Habenaria*. *Rhodora* 10 : 70, 71. 16 My 1908.

**Andrews, F. M.** An abnormal *Porella platyphylla*. *Bot. Gaz.* 45 : 340. f. 1-3. 15 My 1908.

**Arthur, J. C.** A search for rusts in Colorado. *Plant World* 11 : 69-77. Ap 1908.

**Arthur, J. C.** The physiologic aspect of the species question. *Am. Nat.* 42 : 243-248. 18 My 1908

**Benedict, R. C.** Studies in the *Ophioglossaceae* — II. A descriptive key to *Botrychium* in North America : group of *B. lanceolatum*. *Torrey* 8 : 100-103. 19 My 1908.

**Berry, E. W.** Some Araucarian remains from the Atlantic coastal plain. *Bull. Torrey Club* 32 : 249-259. pl. 11-16. f. 1, 2. 29 My 1908.

**Bessey, C. E.** The taxonomic aspect of the species question. *Am. Nat.* 42 : 218-224. 18 My 1908.

**Bessey, E. A.** The Florida strangling figs. *Ann. Rep. Missouri Bot. Gard.* 19 : 25-33. pl. 1-9. 4 Mr 1908.

**Britton, N. L.** The taxonomic aspect of the species question. *Am. Nat.* 42 : 225-242. My 1908.

**Britton, N. L.** North American trees. i-x + 1-894. f. 1-781. New York. [9 My] 1908.

With the assistance of **J. A. Shafer**. Includes new species in *Juniperus*, *Populus*

(2), *Salix*, *Amelanchier*, *Acacia*, *Acer* (2), *Bumelia*, and *Fraxinus* (3); *Neostyphonia* Shafer, nom. nov. for *Styphonia* Nuttall; and *Canotiaceae* Britton fam. nov.

**Brown, A.** The Elgin Botanic Garden: its later history and relation to Columbia College, the New Hampshire Grants, and the treaty with Vermont in 1790. i-iv + 1-57. Lancaster, Pa. 1908.

Reprinted in advance from Bull. N. Y. Bot. Gard. 15: 319-372.

**Brown, H. B.** Algal periodicity in certain ponds and streams. Bull. Torrey Club 35: 223-248. f. 1-3. 29 My 1908.

**Bureau, E.** Notice historique sur F. M. Glaziou. Bull. Soc. Bot. France 55: 119-125. pl. 55. 7 Ap 1908.

**Campbell, D. H.** Collecting liverworts in Java. Torreya 8: 103-110. 19 My 1908.

**Clements, F. E.** An ecologic view of the species conception. Am. Nat. 42: 253-264. 18 My 1908.

**Clute, W. N.** A pedate form of bracken. Fern Bull. 16: 33-35. [Je] 1908. [Illust.]

**Clute, W. N.** New station for a rare Florida fern. Fern Bull. 16: 38. [Je] 1908.

**Clute, W. N.** On some New Zealand ferns. Fern Bull. 16: 42-45. [Je] 1908.

**Clute, W. N.** *Nephrodium patens* and *Nephrodium molle*. Fern Bull. 16: 49, 50. [Je] 1908. [Illust.]

**Clute, W. N.** The Boston fern and its sports. Fern Bull. 15: 73, 74. [Je] 1908.

**Cockerell, T. D. A.** Variation in *Helianthus*. Bot. Gaz. 45: 338. 15 My 1908.

**Collins, F. S.** *Oedogonium Huntii* rediscovered? Rhodora 10: 57, 58. 16 My 1908

**Collins, J. F.** Preliminary lists of New England plants. XIX—Addenda. Rhodora 10: 71, 72. 16 My 1908.

**Cooper, W. S.** Alpine vegetation in the vicinity of Long's Peak, Colorado. Bot. Gaz. 45: 319-337. f. 1-8. 15 My 1908.

**Copeland, E. B.** New or interesting Philippine ferns: III. Philipp. Journ. Sci. 3: 31-37. pl. 1-6. F 1908.

Includes new species in *Lygodium* (2), *Drynaria*, *Asplenium*, and *Davallodes* (2), gen. nov.

**Coulter, J. G.** Opportunities in botany. Science II. 27: 873-876. 5 Je 1908.

**Cowles, H. C.** An ecological aspect of the conception of species. Am. Nat. 42: 265-271. 18 My 1908.

- Dachnowski, A.** Type and variability in the annual wood-increment of *Acer rubrum* L. Ohio Nat. 8: 343-349. f. 1. My 1908.
- Davidson, A.** The *Delphinii* of southern California. Muhlenbergia 4: 33-37. 3 Je 1908.
- DeCandolle, C.** *Begoniaceae* novae. Bull. Herb. Boiss. II. 8: 309-328. f. 1, 2. 2 My 1908.  
Includes new species in *Begonia* (20), and in *Semibegoniella*, gen. nov.
- Eames, A. J.** *Sparganium diversifolium*, var. *acaule* in Massachusetts. Rhodora 10: 56. 4 Ap 1908.
- East, E. M.** Suggestions concerning certain bud variations. Plant World 11: 77-83. Ap 1908.
- Edwards, A. M.** The origin of petroleum in California. Nuova Notar. 19: 72-78. Ap 1908.
- Edwards, A. M.** The origin of the *Bacillaria*. Nuova Notar. 19: 79-84. Ap 1908.
- Eggleston, W. W.** *Crataegus* in New Mexico. Torreya 7: 235, 236. 16 Ja 1908.  
Includes *C. Wootoniana* sp. nov.
- Eggleston, W. W.** *Crataegi* of the northeastern United States and adjacent Canada. Rhodora 10: 73-84. 4 Je 1908.  
Includes *C. Grayana* sp. nov. and *C. rotundifolia Bicknellii* var. nov.
- Eichlam, F.** Mitteilungen aus Zentral-Amerika. Monats. Kakteenk. 18: 33-35. 15 Mr 1908; 57-59. 15 Ap 1908.
- Evans, A. W.** *Leucolejeunea*, a new genus of *Hepaticae*. Torreya 7: 225-229. 16 Ja 1908.
- Fawcett, W.** Historical notes on economic plants in Jamaica — VII. Tobacco. Bull. Dept. Agr. Jamaica 6: 46-59. 1908.
- Fernald, M. L.** *Lemna minor* and *Sparganium eurycarpum* in Rimouski County, Quebec. Rhodora 10: 95, 96. 4 Je 1908.
- [Gibson, H. H.] American forest trees—74. Yellow birch, *Betula lenta* Michx. Hardwood Record 26<sup>2</sup>: 16, 17. 10 My 1908. [Illust.]
- [Gibson, H. H.] American forest trees—75. *Picea canadensis* Mill. Hardwood Record 26<sup>3</sup>: 16, 17. 25 My 1908. [Illust.]
- [Gibson, H. H.] American forest trees—76. Box elder, *Acer Negundo* Linn. Hardwood Record 26<sup>4</sup>: 16. 10 Je 1908. [Illust.]
- Graves, H. S.** The study of natural reproduction of forests. Forestry Quart. 6: 115-137. Je 1908.
- Greenman, J. M.** Notes on the genus *Senecio*. Rhodora 10: 68, 69. 16 My 1908.

- Griggs, R. F.** An undescribed *Heliconia* in the New York Botanical Garden. *Torrey* 7: 230-233. *f. 1.* 16 Ja 1908.  
*Bihai geniculata* Griggs, sp. nov.
- Grout, A. J.** Mosses with hand-lens and microscope 4: 247-318. *pl. 57-75 + f. 134-165.* New York. Ap 1908.
- Gürke, M.** Neue Kakteen-Arten aus Brasilien. *Monats. Kakteenk.* 18: 52-57. 15 Ap 1908. [Illust.]  
*Pilocereus setosus*, *Cereus leucostele*, *C. catingicola*, and *C. phaeacanthus* spp. nov.
- Gürke, M.** *Rhipsalis tetragona* Web. *Monats. Kakteenk.* 18: 74. 15 My 1908. [Illust.]
- Gürke, M.** Bemerkungen zu *Melocactus guatemalensis* Gürke et Eichlam. *Monats. Kakteenk.* 18: 60-62. 15 Ap 1908.
- Hagström, O.** New Potamogetons. *Bot. Notiser* 1908: 97-108. *f. 1-14.* Ap 1908.  
Includes *P. ziziiiformis* sp. nov. from Brazil.
- Harrison, A. K. and others.** Reports on the flora of the Boston district — II. *Rhodora* 10: 59-64. 16 My 1908.
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- Heller, A. A.** New combinations. *Muhlenbergia* 7: 40. 3 Je 1908.
- Hemsley, W. B.** *Tillandsia Blokii*. *Curt. Bot. Mag.* 4: *pl. 8192.* My 1908.
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- House, H. D.** The genus *Shortia*. *Torrey* 7: 233-235. 16 Ja 1908.
- House, H. D.** The North American species of the genus *Ipomoea*. *Ann. N. Y. Acad. Sci.* 18: 181-263. 11 My 1908.
- Hoyt, W. D.** Periodicity in the fruiting of a marine alga. *Plant World* 11: 102-106. *f. 4.* My 1908.
- Jepson, W. L.** The Washington palms. *Muhlenbergia* 4: 41. 3 Je 1908.